



SAFETY DATA SHEET

Date of issue: 12/12/05

According to Regulation (EC) No. 1907/2006 (REACH)

1. Identification of the substance/mixture and of the company/undertaking

Identification of the product

Catalogue No: 35169

ID No.: 3516900

Product name: **Papanicolaou EA50 (new formulation) Gurr**

Use of the substance/mixture: Analytical reagent

Manufacturer/supplier identification

Company: VWR International Ltd., Hunter Boulevard, Lutterworth,
Leics, LE17 4XN, England
Telephone : + 44 (0) 1455 207000 Telefax : + 44 (0) 1455 558586
E-mail: msds@eu.vwr.com

Emergency telephone No.: + 44 (0) 1455 207000

2. Hazards identification

Highly flammable.

3. Composition/information on ingredients

Chemical characterization

Solution in organic solvent

Product name: Papanicolaou EA50 (new formulation)

CAS number: Not applicable (Solution in organic solvent)

EC-No.: Not applicable

Hazardous ingredients:

Ethanol	>80%	
CAS number:	64-17-5	EC-No.: 200-578-6
Symbol(s):	F	
R-phrases:	R11	
S-phrases:	S7-16	
Acetic acid	0.1-1%	
CAS number:	64-19-7	EC-No.: 200-580-7
Symbol(s):	C	
R-phrases:	R10-35	
S-phrases:	S23-26-45	

4. First-aid measures

- Eye contact: Irrigate thoroughly with water for at least 10 minutes. OBTAIN MEDICAL ATTENTION.
- Inhalation: Remove from exposure, rest and keep warm. In severe cases obtain medical attention.
- Skin contact: Wash off skin thoroughly with water. Remove contaminated clothing and wash before re-use. Unless contact has been slight, OBTAIN MEDICAL ATTENTION.
- Ingestion: Wash out mouth thoroughly with water and give plenty of water to drink. OBTAIN MEDICAL ATTENTION.

5. Fire-fighting measures

Special risks:

Flammable.

Suitable extinguishing media:

Water spray

6. Accidental release measures

Shut off all sources of ignition. Wear appropriate protective clothing.

Absorb on an inert absorbent, (e.g. BDH Spillage absorption granules), transfer to a suitable container and arrange removal by disposal company. Wash site of spillage thoroughly with water and detergent.

For large spillages liquids should be contained with sand or earth and both liquids and solids transferred to salvage containers. Any residues should be treated as for small spillages.

7. Handling and storage

Handling:

All electrical equipment must be flameproofed.

Do not breathe vapour. Avoid contact with skin and eyes. Wash hands and face thoroughly after working with material.

Contaminated clothing should be removed and washed before re-use.

Storage:

Store at room temperature (15 to 25°C recommended). Keep well closed and protected from direct sunlight and moisture.

Store small containers in suitable flammable liquid storage cabinets when not in use. Larger drums (>50l) must be kept in purpose-built stores.

8. Exposure controls/personal protection

UK Exposure Limits:

WEL - Ethanol:

Long term: 1920 mg/m³ (1000 ppm)

Personal protective equipment:

As appropriate to the situation and the quantity handled. Engineering methods to control or prevent exposure are preferred. Methods could include process enclosure or mechanical ventilation.

- Respirator: Self-contained breathing apparatus required when vapours are generated.
- Ventilation: Fume cupboard, flameproof
- Gloves: Butyl rubber, Viton™
- Eye Protection: Goggles or face-shield
- Other Precautions: Plastic apron, sleeves, boots - if handling large quantities

9. Physical and chemical properties

General information:

Form:

liquid

Colour:

dark red

Odour: ethanolic

Health, safety and environmental information:

Boiling temperature	Not available
Density(g/ml)	0.83
Solubility in water	Miscible in all proportions
Flash point	17°C
Explosion limits: lower:	No data
Auto-ignition temperature	No data

10. Stability and reactivity

Stable.

Substances to be avoided: oxidizing agents, alkali oxides, hydrides, mercury compounds, silver compounds.
The possibility of reaction with other substances cannot be excluded.

11. Toxicological information

- After inhalation of vapours: Irritation symptoms in the respiratory tract.
 - After eye contact: Severe irritation.
 - After contact with substance: May cause staining.
 - After the absorption of large quantities: euphoria, nausea, vomiting, headache, inebriation, impaired vision, blindness(Irreversible damage of the optical nerve.).
 - Systemic effect: acidosis, drop in blood pressure, agitation, spasms, narcosis, coma.
- The onset of symptoms may be delayed.

Further data

No data

12. Ecological information

Adverse ecological effects cannot be excluded in the event of improper handling or disposal.

Further ecological data:

The following applies to Ethanol in general: Biodegradable. When used properly, no impairments in the function of waste- water-treatment plants are to be expected. Fish toxicity: fish LC50: > 10 000 mg/l; Daphnia toxicity: Daphnia EC0: > 7800 mg/l; Bacterial toxicity: Ps. putida EC0: > 6500 mg/l; Algeal toxicity: Sc. quadricauda EC0: > 5000 mg/l; M. aeruginosa EC0: > 1450 mg/l.

Remarks:

Do not allow to enter drinking water supplies, waste water, or soil!

13. Disposal considerations

Chemical residues are generally classified as hazardous or special waste, and as such are covered by regulations which vary according to location. Contact your local waste disposal authority for advice, or pass to a chemical disposal company. Rinse out empty containers thoroughly before returning for recycling.

When recovery and recycling is not possible, incineration in a high temperature incinerator is the recommended method of disposal.

14. Transport information

UN-No.: 1170
Proper shipping name: ETHANOL SOLUTION

Class: 3

Packaging group: II

15. Regulatory information

Labelling according to EC directives

Symbol(s): F Highly flammable.

R-phrases: R11
Highly flammable.

S-phrases: S7-16
Keep container tightly closed. Keep away from sources of ignition - No smoking.

EC-No.: Not applicable

Local Regulations

Within the UK, the use of this material must be assessed under the Dangerous Substances and Explosive Atmospheres (DSEAR) Regulations.

Within the UK, the use of this material must be assessed under the Control of Substances Hazardous to Health (COSHH) regulations.

16. Other information

Revision.
Supersedes edition of: 10/12/99
Reason for alteration: Changes in Section : 2,11,12,14

Date of issue: 12/12/05
Date of print: 16/06/10

Text of R phrases listed in section 3

R10: Flammable.
R11: Highly flammable.
R35: Causes severe burns.